

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
19 September 2002 (19.09.2002)

PCT

(10) International Publication Number  
**WO 02/073061 A1**

(51) International Patent Classification<sup>7</sup>: **F16D 65/12, 65/36** (74) Agent: **STRÖM & GULLIKSSON IPC AB**; P.O. Box 4188, S-203 13 Malmö (SE).

(21) International Application Number: **PCT/SE02/00451**

(22) International Filing Date: 13 March 2002 (13.03.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0100841-6 13 March 2001 (13.03.2001) SE

(71) Applicant (for all designated States except US): **HALDEX BRAKE PRODUCTS AB [SE/SE]**; Box 501, S-261 24 Landskrona (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SANDBERG, Stefan [SE/SE]**; Höjeåtan 421 lgh 49, S-234 33 Lomma (SE). **GRIPEMARK, Joakim [SE/SE]**; O.D. Krooks Gata 39, S-254 43 Helsingborg (SE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

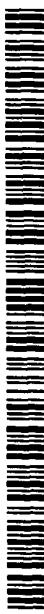
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

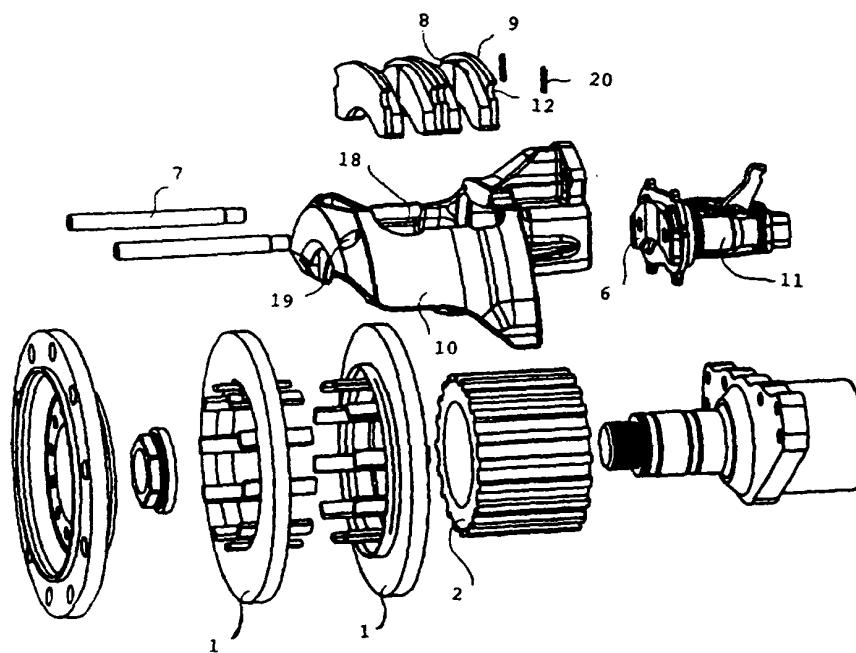
— with international search report

[Continued on next page]

(54) Title: **HALDEX BRAKE PRODUCTS AB**



**WO 02/073061 A1**



(57) Abstract: The present invention concerns a connection between at least one brake disc (1) and a hub (2) or the like of a disc brake. The brake disc(s) (1) is received slidably and non-rotatably on the hub (2). Each brake disc (1) is furnished with plates (3) on an inner periphery, which plates (3) have a length in the axial direction of the hub (2) exceeding the thickness of the brake disc (1).